

FIG. 1

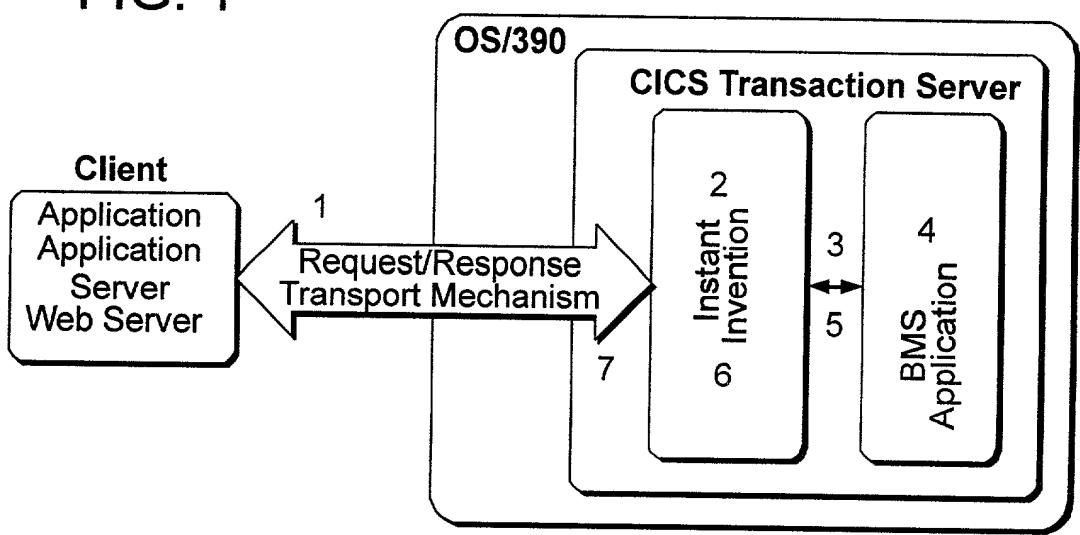
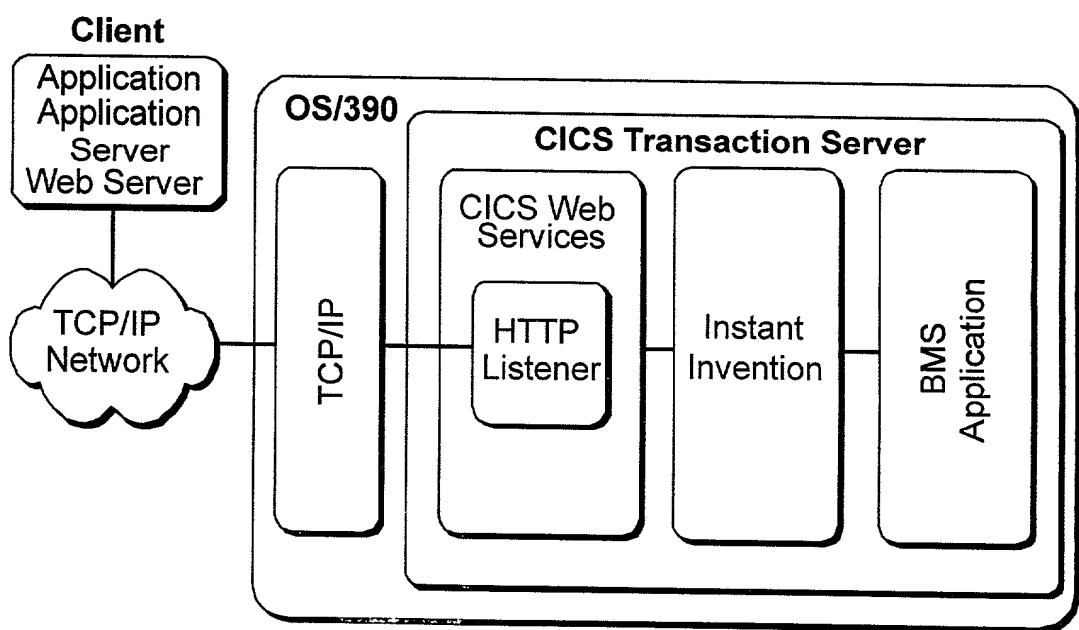
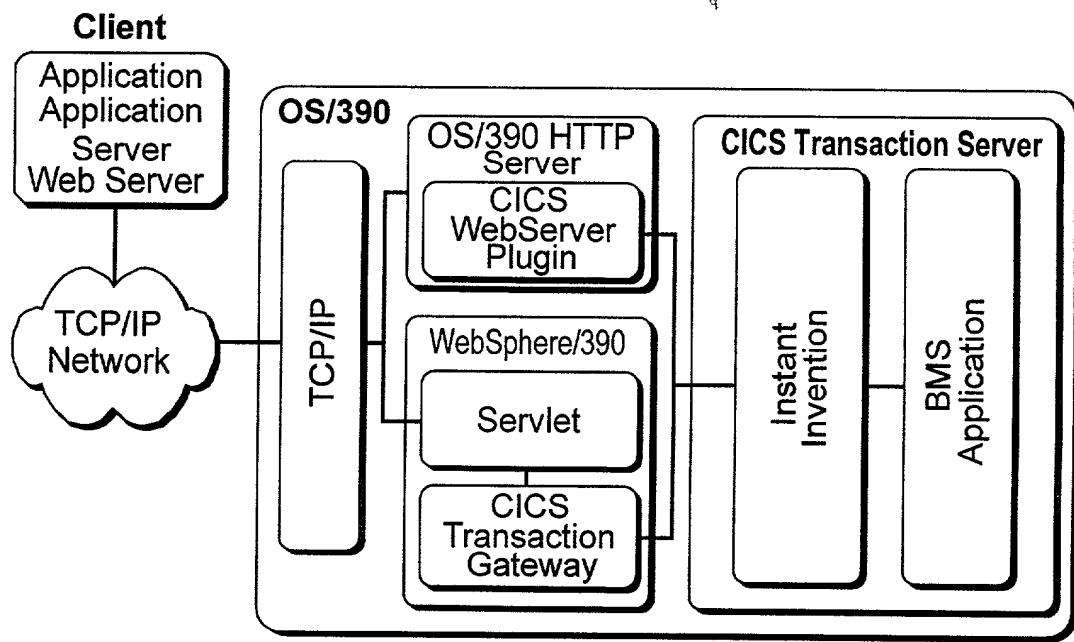


FIG. 2



**FIG. 3**



**FIG. 4**

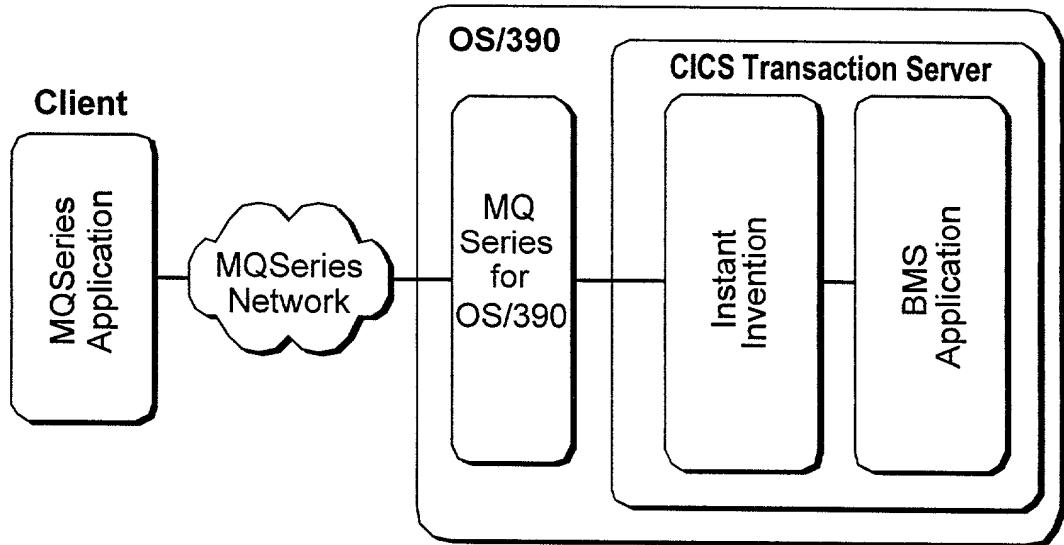


FIG. 5

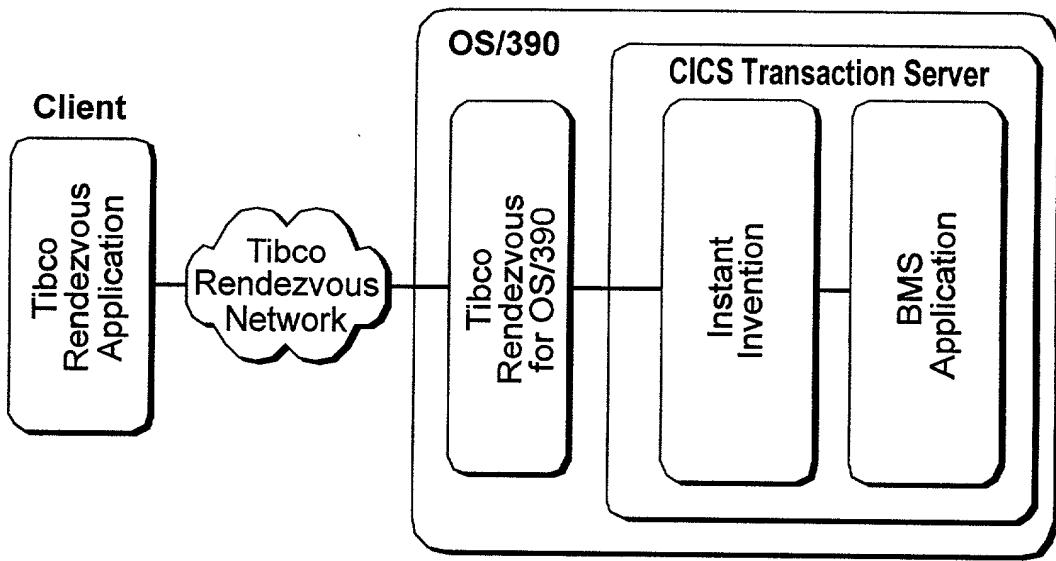
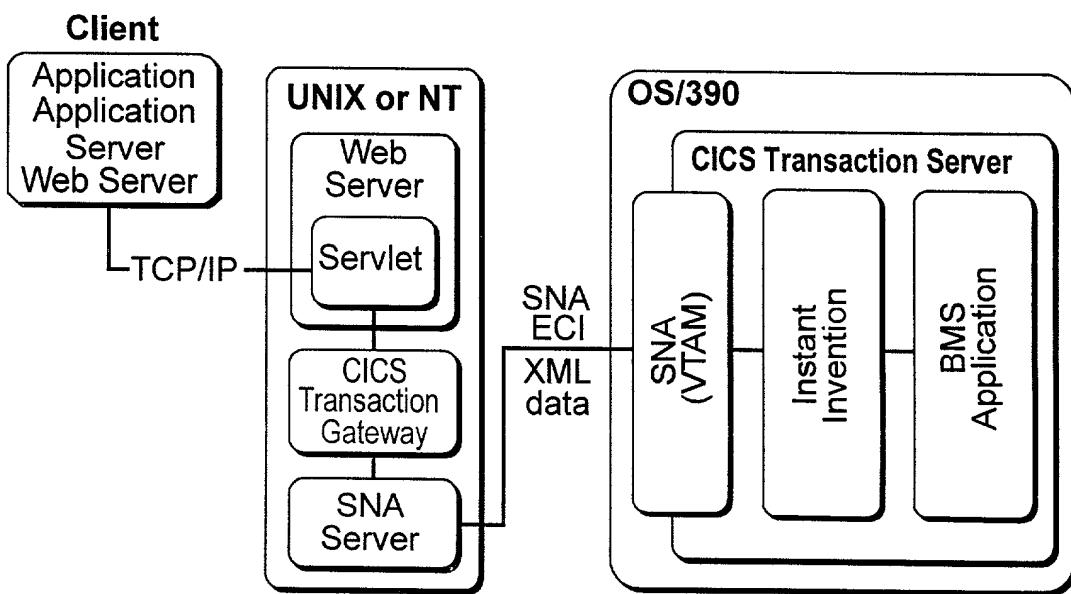
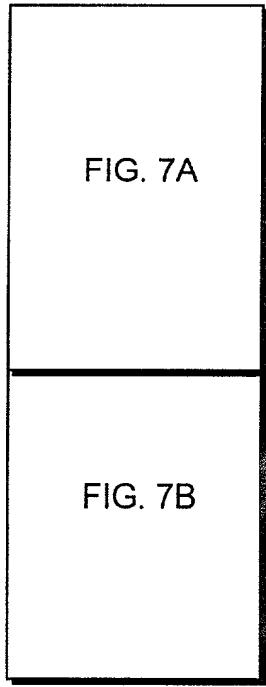


FIG. 6



**FIG. 7**



**FIG. 8**

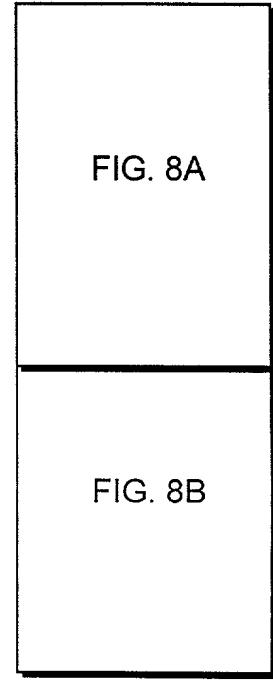


FIG. 7A

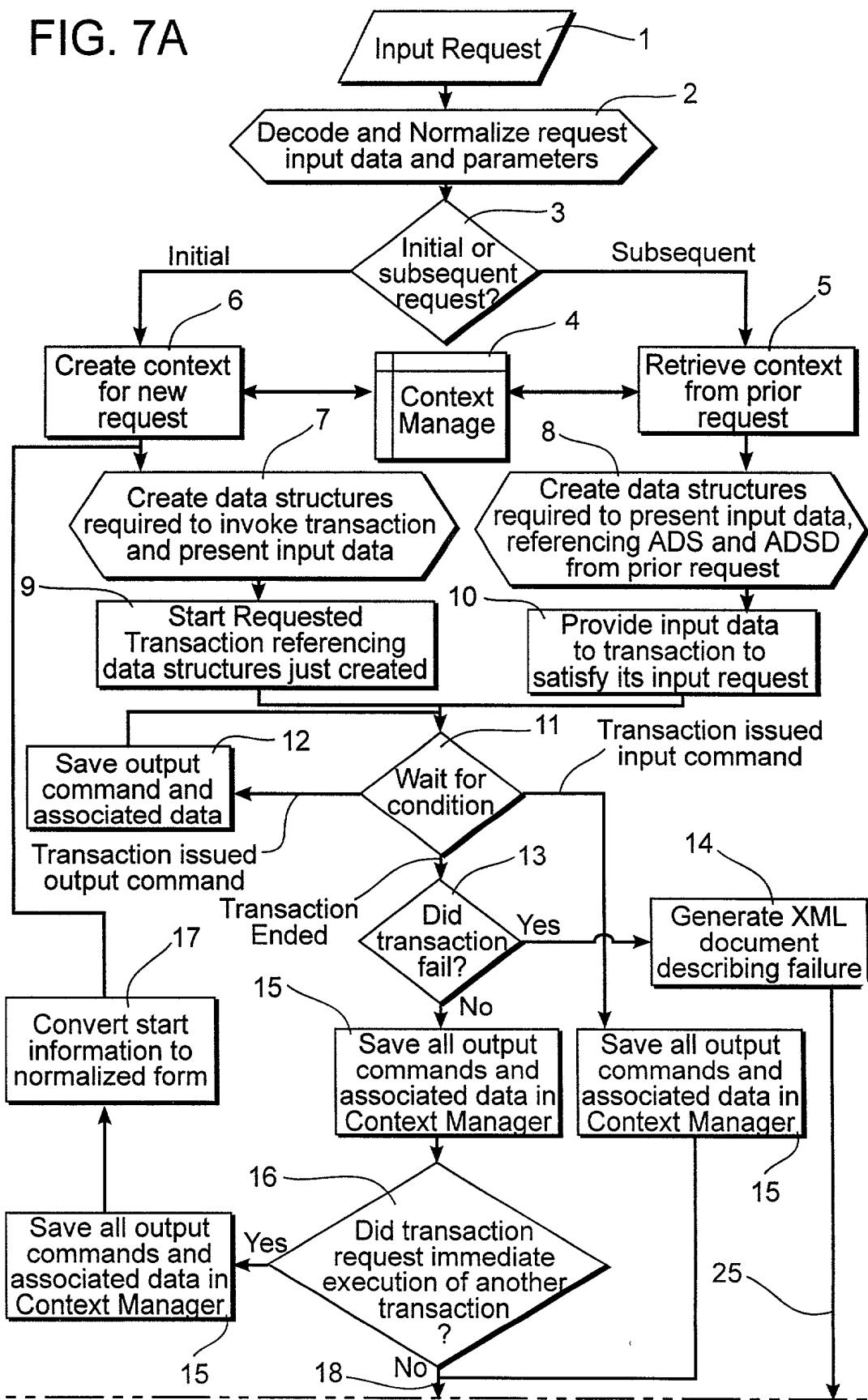


FIG. 7B

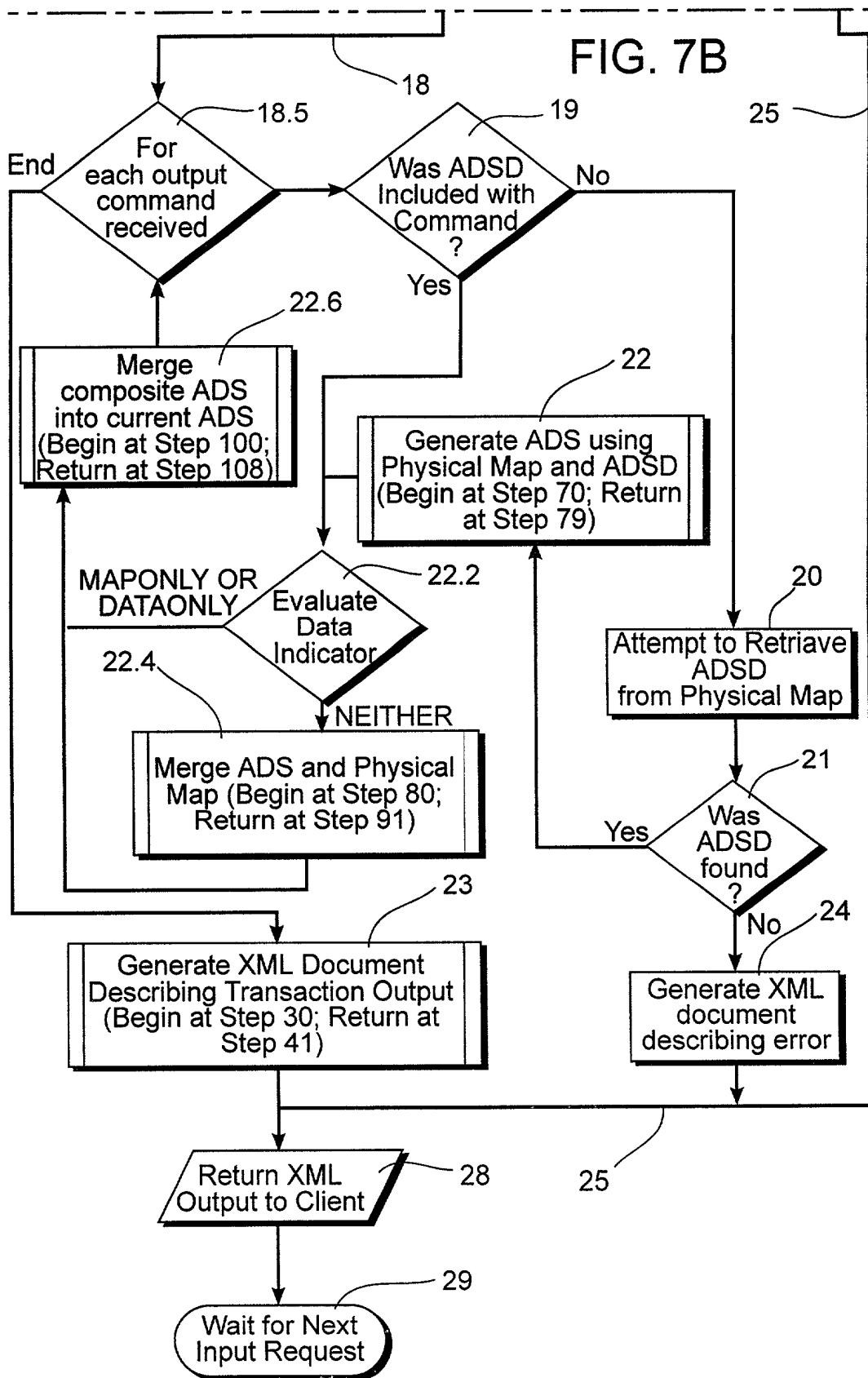


FIG. 8A

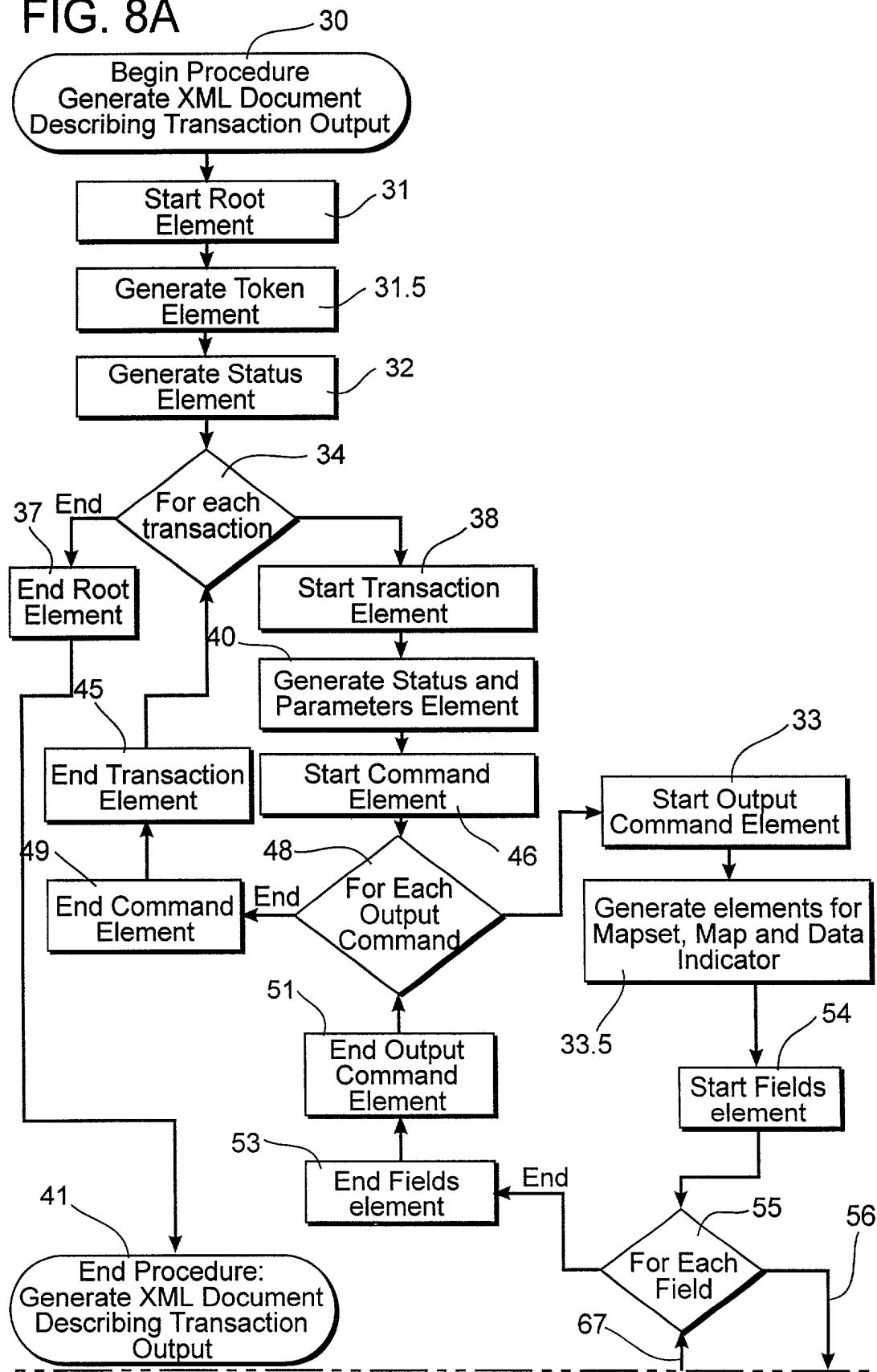


FIG. 8B

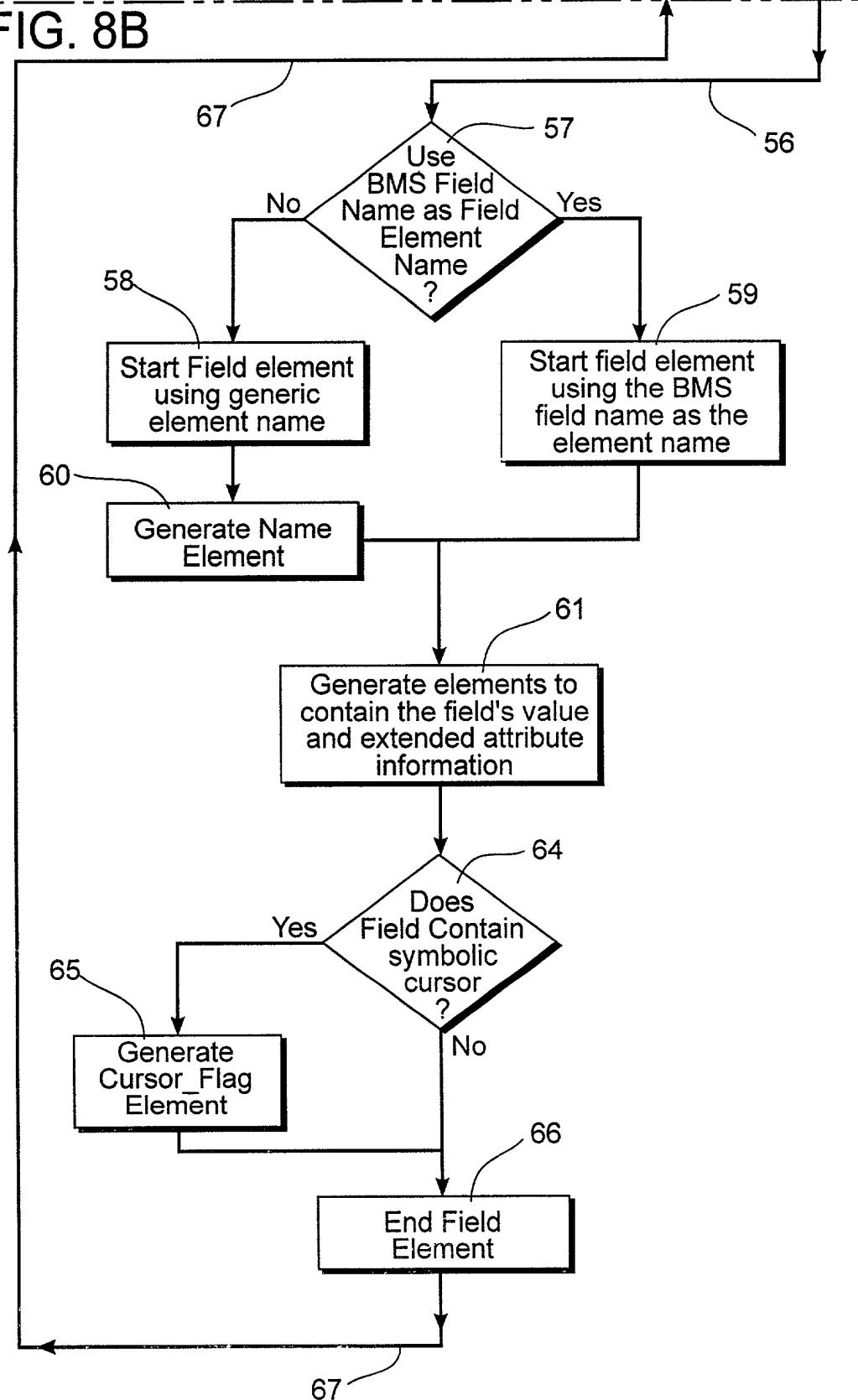


FIG. 9

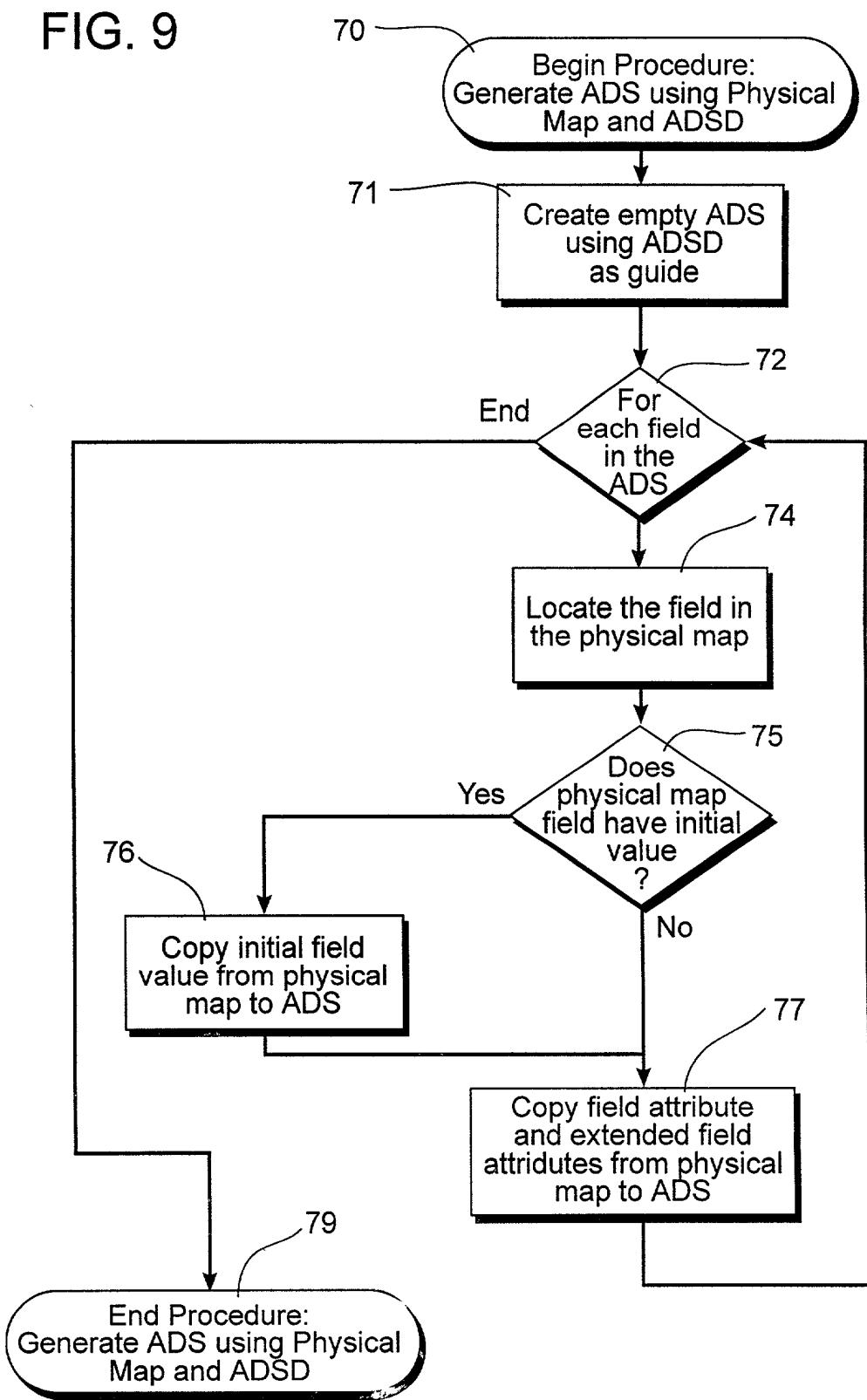


FIG. 10

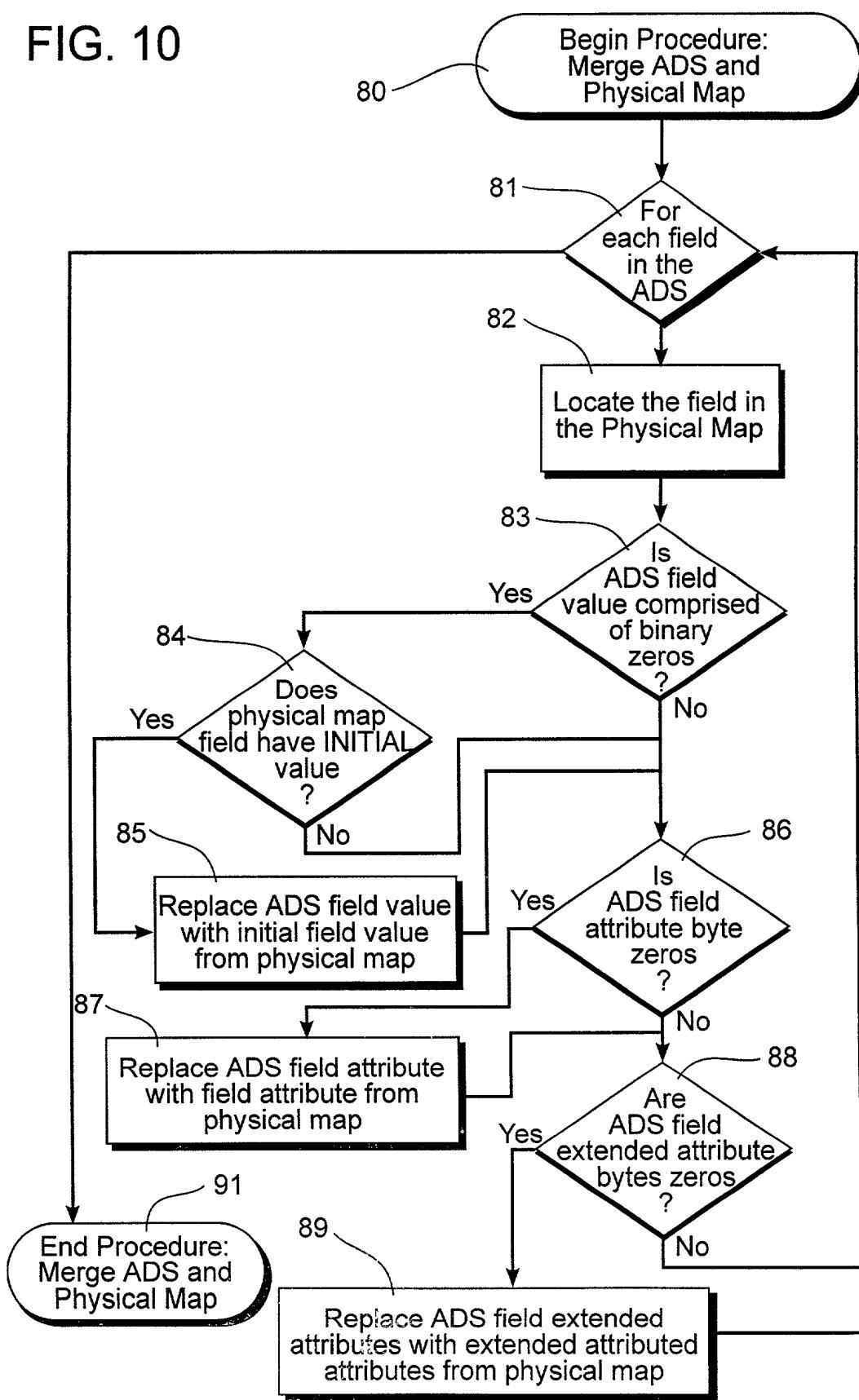


FIG. 11

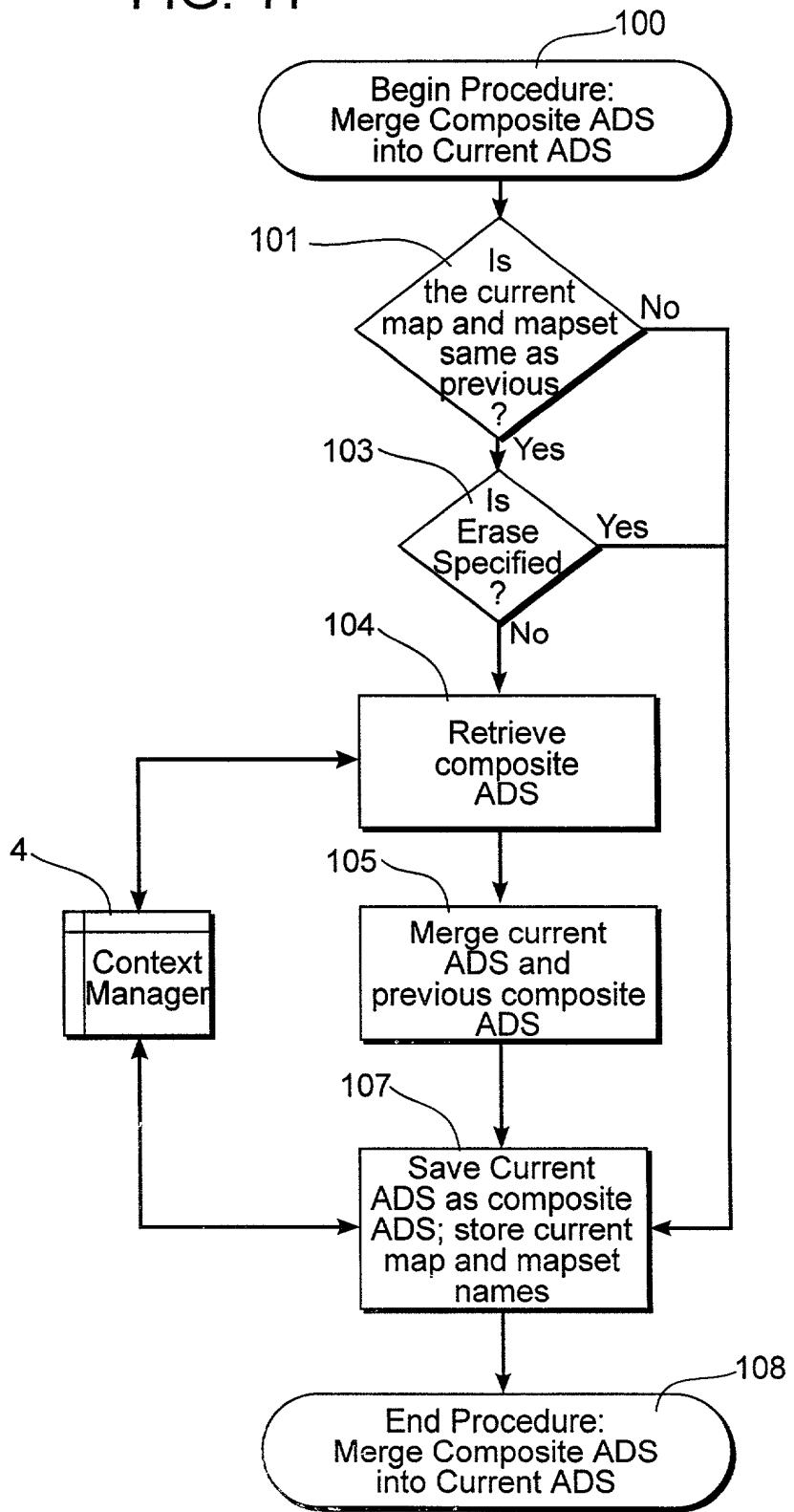


FIG. 12

trad

## Terminal Input 1 -- Specify Transaction Name

FIG. 13

Share Trading Demonstration

TRADER.T002

## Share Trading Manager: Company Selection

1. Casey Import Export
2. Glass and Luget Plc
3. Headworth Electrical
4. IBM

Please select a company (1,2,3 or 4) :

PF3=Exit

PF12=Exit

## Terminal Output 1 -- Company Selection Screen

**FIG. 14**

Share Trading Demonstration	TRADER.T002
Share Trading Manager: Company Selection	
<ul style="list-style-type: none"><li>1. Casey_Import_Export</li><li>2. Glass_and_Luget_Plc</li><li>3. Headworth_Electrical</li><li>4. IBM</li></ul>	
Please select a company (1,2,3 or 4) : 1	
-----	
PF3=Exit	PF12=Exit

Terminal Input 2 -- Select Company

**FIG. 15**

Share Trading Demonstration	TRADER.T003
Share Trading Manager: Options	
<ul style="list-style-type: none"><li>1. New Real-Time Quote</li><li>2. Buy Shares</li><li>3. Sell Shares</li></ul>	
Please select a company (1,2 or 3):	
-----	
PF3=Return	PF12=Exit

Terminal Output 2 -- Option Selection Screen

**FIG. 16**

Share Trading Demonstration	TRADER.T003
Share Trading Manager: Options	
1. New Real-Time Quote	
2. Buy Shares	
3. Sell Shares	
Please select a company (1,2 or 3): 1	
-----	
PF3=Return	PF12=Exit

Terminal Input 3 -- Select Company

**FIG. 17**

Share Trading Demonstration	TRADER.T004
Share Trading Manager: Real-Time Quote	
User Name:	RUSS
Company Name:	Casey_Import_Export
Share Values:	Commission Cost:
NOW: 00079.00	for Selling: 007
1 week ago: 00059.00	for Buying: 010
6 days ago: 00063.00	
5 days ago: 00065.00	
4 days ago: 00070.00	
3 days ago: 00072.00	
2 days ago: 00078.00	Number of Shares Held: 5693
1 day ago: 00077.00	Value of Shares Held: 000449747.00
Request Completed OK	
-----	
PF3=Return	PF12=Exit

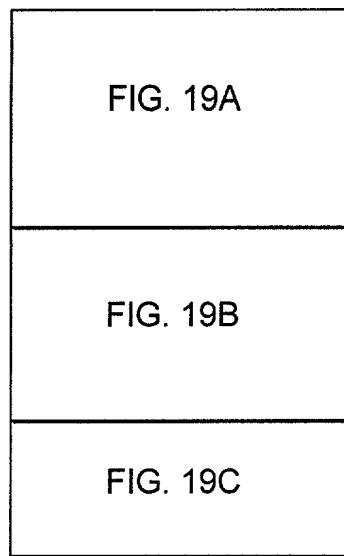
Terminal Output 3 – Stock Quote Screen

**FIG. 18**

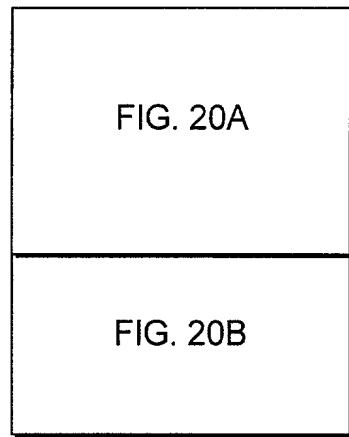
Trader: Session Over

Terminal Output 4 -- Session Termination Screen

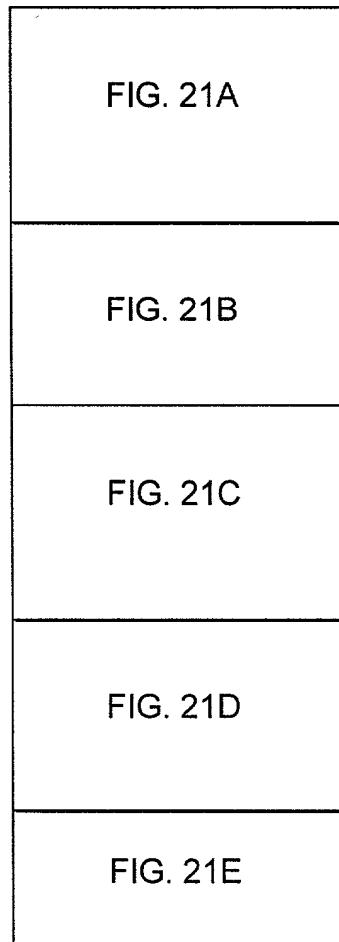
**FIG. 19**



**FIG. 20**



**FIG. 21**



**FIG. 19A** XML Response 1 -- Company Selection Document

```
<?xml version="1.0" encoding="ISO-8859-1" standalone="yes"?>
<request>
  <token>ca445fb5</token>
  <timestamp>20020113025852</timestamp>
  <status>
    <response>0</response>
    <desc>ok</desc>
  </status>
  <transaction trnid="TRAD" facility="}AAB" next_trnid="TRAD"
next_trnid_src="normal">
    <status>
      <cics_resp>0</cics_resp>
      <cics_resp2>0</cics_resp2>
      <cics_desc>NORMAL</cics_desc>
      <task_end>endtask</task_end>
      <abend_code> </abend_code>
    </status>
    <parameters>
      <trnid>TRAD</trnid>
      <entry>TRAD</entry>
      <userid>DSII </userid>
    </parameters>
    <command src="TRADERPL">
      <send_map erase="y" erase_unp="n" unlock_kb="y" alarm="n" reset_mdt="n" >
        <mapset>TRADBMS </mapset>
        <map>T002 </map>
        <data_indicator>map_and_data</data_indicator>
        <fields count="6">
          <field name="COMP1" index="0">
            <name_len="5">COMP1</name>
          <name_len="5">COMP1</name>
        </fields>
      </send_map>
    </command>
  </transaction>
</request>
```

## FIG. 19B XML Response 1 -- Company Selection Document

```
<value maxlen="19" len="19">Casey Import Export</value>
<attr byte="1" disp="y" prot="y" num="n" int="n"
mdt="n"/>
</field>
<field name="COMP2" index="0">
<name len="5">COMP2</name>
<value maxlen="20" len="19">Glass and Luget Plc</value>
<attr byte="1" disp="y" prot="y" num="n" int="n"
mdt="n"/>
</field>
<field name="COMP3" index="0">
<name len="5">COMP3</name>
<value maxlen="20" len="20">Headworth Electrical</value>
<attr byte="60" justify="1" disp="y" prot="y" num="n" int="n"
mdt="n"/>
</field>
<field name="COMP4" index="0">
<name len="5">COMP4</name>
<value maxlen="20" len="3">IBM</value>
<attr byte="60" justify="1" disp="y" prot="y" num="n" int="n"
mdt="n"/>
</field>
<field name="OPTION" index="0">
<name len="6">OPTION</name>
<value maxlen="1" len="0"></value>
<attr byte="50" justify="1" disp="y" prot="n" num="y" int="n"
mdt="n"/>
</field>
<field name="MESS2" index="0">
<name len="5">MESS2</name>
-----
```

**FIG. 19C XML Response 1 -- Company Selection Document**

```
<value maxlen="79" len="0"></value>
<attr byte="60" justify="1" disp="y" prot="y" num="n" int="n"
      mdt="n"/>
</field>
</fields>
<cursor type="none"/>
</send_map>
</command>
</transaction>
</request>
```

## FIG. 20A XML Response 2 -- Option Selection Document

```
<?xml version="1.0" encoding="ISO-8859-1" standalone="yes"?>
<request>
  <token>ca445fb5</token>
  <timestamp>20020113025955</timestamp>
  <status>
    <response>0</response>
    <desc>ok</desc>
  </status>
  <transaction trnid="TRAD" facility="}AAB" next_trnid="TRAD"
    next_trnid_src="normal">
    <status>
      <cics_resp>0</cics_resp>
      <cics_resp2>0</cics_resp2>
      <cics_desc>NORMAL</cics_desc>
      <task_end>endtask</task_end>
      <abend_code> </abend_code>
    </status>
    <parameters>
      <trnid>TRAD</trnid>
      <entry>TRAD</entry>
      <userid>DSI1 </userid>
    </parameters>
    <command src="TRADERPL">
      <send_map erase="y" erase_unp="n" unlock_kb="y" alarm="n" reset_mdt="n" >
        <mapset>TRADBMS </mapset>
        <map>T003 </map>
    -----
```

## FIG. 20B XML Response 2 -- Option Selection Document

```
<data _indicator>map_and_data</data _indicator>
<fields count="2">
  <field name="OPT2" index="0">
    <name len="4">OPT2</name>
    <value maxlen="1" len="0"></value>
    <attr byte="50" justify="1" disp="y" prot="n" num="y" int="n"
      mdt="n"/>
  </field>
  <field name="MESS3" index="0">
    <name len="5">MESS3</name>
    <value maxlen="79" len="0"></value>
    <attr byte="60" justify="1" disp="y" prot="y" num="n" int="n"
      mdt="n"/>
  </field>
</fields>
<cursor type="none"/>
</send_map>
</command>
</transaction>
</request>
```

## FIG. 21A XML Response 3 -- Stock Quote Document

```
<?xml version="1.0" encoding="ISO-8859-1" standalone="yes"?>
<request>
  <token>ca445fb5</token>
  <timestamp>20020113030019</timestamp>
  <status>
    <response>0</response>
    <desc>ok</desc>
  </status>
  <transaction tranid="TRAD" facility="}AAB" next_tranid="TRAD"
next_tranid_src="normal">
  <status>
    <cics_resp>0</cics_resp>
    <cics_resp2>0</cics_resp2>
    <cics_desc>NORMAL</cics_desc>
    <task_end>endtask</task_end>
    <abend_code> </abend_code>
  </status>
  <parameters>
    <tranid>TRAD</tranid>
    <entry>TRAD</entry>
    <userid>DSII </userid>
  </parameters>
  <command src="TRADERPL">
    <send_map erase="y" unp="n" unlock_kb="y" alarm="n" reset_mdt="n" >
      <mapset>TRDBMS </mapset>
      <map>T004 </map>
    <map>T004 </map>
  </command>
</transaction>
```

**FIG. 21B XML Response 3 -- Stock Quote Document**

```
<data_indicator>map_and_data</data_indicator>
<fields count="15">
  <field name="USER41" index="0">
    <name len="6">USER41</name>
    <value maxlen="20" len="4">RUSS</value>
    <attr byte="60" justify="1" disp="y" prot="y" num="n" int="n"
          mdt="n"/>
  </field>
  <field name="COMP41" index="0">
    <name len="6">COMP41</name>
    <value maxlen="20" len="19">Casey_Import_Export</value>
    <attr byte="60" justify="1" disp="y" prot="y" num="n" int="n"
          mdt="n"/>
  </field>
  <field name="SHRNOW" index="0">
    <name len="6">SHRNOW</name>
    <value maxlen="8" len="8">00079.00</value>
    <attr byte="60" justify="1" disp="y" prot="y" num="n" int="n"
          mdt="n"/>
  </field>
  <field name="SELL" index="0">
    <name len="4">SELL</name>
    <value maxlen="12" len="3">007</value>
    <attr byte="f0" justify="1" disp="y" prot="y" num="y" int="n"
          mdt="n"/>
  </field>
</fields>
```

**FIG. 21C**

**XML Response 3 -- Stock Quote Document**

```
<field name="SHARE7" index="0">
  <name len="6">SHARE7</name>
  <value maxlen="8" len="8">000059.00</value>
  <attr byte="60" justify="1" disp="y" prot="y" num="n" int="n"
        mdt="n"/>
</field>
<field name="SHARE6" index="0">
  <name len="6">SHARE6</name>
  <value maxlen="8" len="8">000063.00</value>
  <attr byte="60" justify="1" disp="y" prot="y" num="n" int="n"
        mdt="n"/>
</field>
<field name="BUY" index="0">
  <name len="3">BUY</name>
  <value maxlen="12" len="3">010</value>
  <attr byte="f0" justify="1" disp="y" prot="y" num="y" int="n"
        mdt="n"/>
</field><field name="SHARE5" index="0">
  <name len="6">SHARE5</name>
  <value maxlen="8" len="8">000065.00</value>
  <attr byte="f0" justify="1" disp="y" prot="y" num="y" int="n"
        mdt="n"/>
</field>
<field name="SHARE4" index="0">
  <name len="6">SHARE4</name>
  <value maxlen="8" len="8">000070.00</value>
```

**FIG. 21D**

**XML Response 3 -- Stock Quote Document**

```
<attr byte="f0" justify="1" disp="y" prot="y" num="y" int="n"
      mdt="n"/>
</field>
<field name="SHARE3" index="0">
  <name len="6">SHARE3</name>
  <value maxlen="8" len="8">00072.00</value>
  <attr byte="f0" justify="1" disp="y" prot="y" num="y" int="n"
        mdt="n"/>
</field>
<field name="SHARE2" index="0">
  <name len="6">SHARE2</name>
  <value maxlen="8" len="8">00078.00</value>
  <attr byte="f0" justify="1" disp="y" prot="y" num="y" int="n"
        mdt="n"/>
</field>
<field name="SHARE1" index="0">
  <name len="4">HELD</name>
  <value maxlen="12" len="4">5693</value>
  <attr byte="f0" justify="1" disp="y" prot="y" num="y" int="n"
        mdt="n"/>
</field>
<field name="SHARE1" index="0">
  <name len="6">SHARE1</name>
  <value maxlen="8" len="8">00077.00</value>
  <attr byte="f0" justify="1" disp="y" prot="y" num="y" int="n"
        mdt="n"/>
```

**FIG. 21E** XML Response 3 -- Stock Quote Document

```
</field>
<field name="VALUE" index="0">
<name len="5">VALUE</name>
<value maxlen="12" len="12">000449747.00</value>
<attr byte="f0" justify="r" disp="y" prot="y" num="y" int="n"
      mdt="n"/>
</field>
<field name="MESS4" index="0">
<name len="5">MESS4</name>
<value maxlen="79" len="20">Request Completed OK</value>
<attr byte="60" justify="1" disp="y" prot="y" num="n" int="n"
      mdt="n"/>
</field>
</fields>
<cursor type="none"/>
</send_map>
</command>
</transaction>
</request>
```

## FIG. 22 XML Output 4 -- Transaction Termination Document

```
<?xml version="1.0" encoding="ISO-8859-1" standalone="yes"?>
<request>
  <token></token>
  <timestamp>20020113030037</timestamp>
  <status>
    <response>0</response>
    <desc>ok</desc>
  </status>
  <transaction trnid="TRAD" facility="}AAB" next_trnid=""
    " next_trnid_src="
    " next_trnid_src=">
    <status>
      <cics_resp>0</cics_resp>
      <cics_resp2>0</cics_resp2>
      <cics_desc>NORMAL</cics_desc>
      <task_end>endtask</task_end>
      <abend_code> </abend_code>
    </status>
    <parameters>
      <trnid>TRAD</trnid>
      <entry>TRAD</entry>
      <userid>DSI1 </userid>
      <aid>PF12</aid>
    </parameters>
    <command src="TRADERPL">
      <send erase="n">
        <data len="20">Trader: Session Over</data>
      </send>
    </command>
  </transaction>
</request>
```